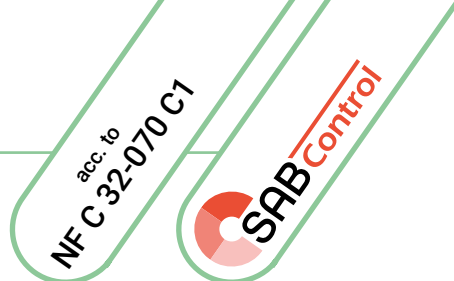


Halogen-free Cables

SABIX® A 224 FRNC C1

control cable with numbered cores, improved fire performance and extended temperature range



marking example:

SAB BRÜCKSKES · D-VIERSEN · SABIX® A 224 FRNC C1 14 x 0,5 mm² CE

Construction:

| | |
|-------------------------|--|
| Conductor: | bare copper strands acc. to IEC 60228, VDE 0295, class 5 |
| Insulation: | SABIX® |
| Colour code: | black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, green-yellow earth wire from 3 cores |
| Stranding: | in layers |
| Sheath material: | SABIX® |
| Sheath colour: | black (RAL 9005) |

Outstanding features:

- » halogen-free
- » no flame propagation
- » flame retardant and self-extinguishing
- » NF C 32-070 C1

Technical Data:

| | |
|--|---|
| Nominal voltage: | Uo/U 450/750 V |
| Testing voltage: | core/core 3000 V |
| Min. bending radius | |
| fixed laying: | 4 x d |
| flexible application: | 6 x d |
| Radiation resistance: | 1 x 10 ⁷ cJ/kg (100 kGy) |
| Temperature range | |
| fixed laying: | -30/+90 °C |
| flexible application: | -20/+90 °C |
| Halogen-free: | acc. to IEC 60754-1 + VDE 0482-754-1 |
| Fire performance: | no flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 cat. C resp. D, see chapter N „Technical data“. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 + NF C 32-070 C1 |
| Corrosiveness of conflagration gases: | in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases |
| Smoke density: | acc. to IEC 61034 + VDE 0482-1034 |
| Absence of harmful substances: | acc. to RoHS directive of the European Union, see chapter N „Technical data“ |

| item no. | no. of cores x cross section n x mm ² | largest single wire ø mm | outer-ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|------------------------|---------------------------|----------------------------|
| 62240205 | 2 x 0,50 | 0,21 | 5,8 | 9,6 | 36 |
| 62240305 | 3 x 0,50 | 0,21 | 6,3 | 14,4 | 49 |
| 62240405 | 4 x 0,50 | 0,21 | 6,8 | 19,2 | 59 |
| 62240505 | 5 x 0,50 | 0,21 | 7,7 | 24,0 | 76 |
| 62240705 | 7 x 0,50 | 0,21 | 8,3 | 33,6 | 94 |
| 62240805 | 8 x 0,50 | 0,21 | 9,8 | 38,4 | 118 |
| 62240905 | 9 x 0,50 | 0,21 | 10,6 | 43,2 | 135 |
| 62241005 | 10 x 0,50 | 0,21 | 10,8 | 48,0 | 140 |
| 62241205 | 12 x 0,50 | 0,21 | 11,1 | 57,6 | 159 |
| 62241405 | 14 x 0,50 | 0,21 | 11,6 | 67,2 | 179 |
| 62241605 | 16 x 0,50 | 0,21 | 12,5 | 76,8 | 207 |
| 62241805 | 18 x 0,50 | 0,21 | 13,1 | 86,4 | 228 |
| 62242105 | 21 x 0,50 | 0,21 | 14,6 | 100,8 | 271 |
| 62242505 | 25 x 0,50 | 0,21 | 15,9 | 120,0 | 315 |
| 62243005 | 30 x 0,50 | 0,21 | 16,6 | 144,0 | 369 |
| 62243405 | 34 x 0,50 | 0,21 | 18,1 | 163,2 | 424 |
| 62244005 | 40 x 0,50 | 0,21 | 19,6 | 192,0 | 497 |
| 62244205 | 42 x 0,50 | 0,21 | 19,6 | 201,6 | 514 |
| 62245005 | 50 x 0,50 | 0,21 | 21,4 | 240,0 | 602 |
| 62246105 | 61 x 0,50 | 0,21 | 22,9 | 292,8 | 718 |
| 62240207 | 2 x 0,75 | 0,21 | 6,4 | 14,4 | 45 |
| 62240307 | 3 x 0,75 | 0,21 | 7,0 | 21,6 | 61 |
| 62240407 | 4 x 0,75 | 0,21 | 7,8 | 28,8 | 79 |
| 62240507 | 5 x 0,75 | 0,21 | 8,5 | 36,0 | 95 |
| 62240707 | 7 x 0,75 | 0,21 | 9,4 | 50,4 | 125 |
| 62240807 | 8 x 0,75 | 0,21 | 11,0 | 57,6 | 154 |
| 62240907 | 9 x 0,75 | 0,21 | 12,0 | 64,8 | 178 |
| 62241007 | 10 x 0,75 | 0,21 | 12,2 | 72,0 | 184 |
| 62241207 | 12 x 0,75 | 0,21 | 12,6 | 86,4 | 209 |
| 62241407 | 14 x 0,75 | 0,21 | 13,2 | 100,8 | 236 |

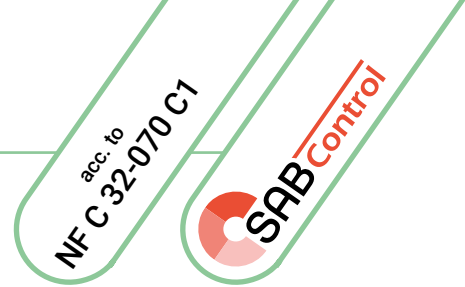
| item no. | no. of cores x cross section n x mm ² | largest single wire ø mm | outer-ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|------------------------|---------------------------|----------------------------|
| 62241607 | 16 x 0,75 | 0,21 | 14,1 | 115,2 | 272 |
| 62241807 | 18 x 0,75 | 0,21 | 15,0 | 129,6 | 308 |
| 62242107 | 21 x 0,75 | 0,21 | 16,6 | 151,2 | 363 |
| 62242507 | 25 x 0,75 | 0,21 | 18,2 | 180,0 | 424 |
| 62243007 | 30 x 0,75 | 0,21 | 18,8 | 216,0 | 487 |
| 62243407 | 34 x 0,75 | 0,21 | 20,4 | 244,8 | 557 |
| 62244007 | 40 x 0,75 | 0,21 | 22,2 | 288,0 | 661 |
| 62244207 | 42 x 0,75 | 0,21 | 22,2 | 302,4 | 685 |
| 62245007 | 50 x 0,75 | 0,21 | 24,4 | 360,0 | 803 |
| 62246107 | 61 x 0,75 | 0,21 | 26,0 | 439,2 | 957 |
| 62240210 | 2 x 1,00 | 0,21 | 6,8 | 19,2 | 53 |
| 62240310 | 3 x 1,00 | 0,21 | 7,2 | 28,8 | 69 |
| 62240410 | 4 x 1,00 | 0,21 | 8,0 | 38,4 | 89 |
| 62240510 | 5 x 1,00 | 0,21 | 8,8 | 48,0 | 108 |
| 62240710 | 7 x 1,00 | 0,21 | 9,7 | 67,2 | 142 |
| 62240810 | 8 x 1,00 | 0,21 | 11,4 | 76,8 | 174 |
| 62240910 | 9 x 1,00 | 0,21 | 12,4 | 86,4 | 200 |
| 62241010 | 10 x 1,00 | 0,21 | 12,6 | 96,0 | 209 |
| 62241210 | 12 x 1,00 | 0,21 | 13,0 | 115,2 | 239 |
| 62241410 | 14 x 1,00 | 0,21 | 13,8 | 134,4 | 277 |
| 62241610 | 16 x 1,00 | 0,21 | 14,6 | 153,6 | 311 |
| 62241810 | 18 x 1,00 | 0,21 | 15,5 | 172,8 | 352 |
| 62242110 | 21 x 1,00 | 0,21 | 17,2 | 201,6 | 415 |
| 62242510 | 25 x 1,00 | 0,21 | 18,8 | 240,0 | 485 |
| 62243010 | 30 x 1,00 | 0,21 | 19,6 | 288,0 | 568 |
| 62243410 | 34 x 1,00 | 0,21 | 21,3 | 326,4 | 649 |
| 62244010 | 40 x 1,00 | 0,21 | 23,0 | 384,0 | 759 |
| 62244210 | 42 x 1,00 | 0,21 | 23,0 | 403,2 | 787 |
| 62245010 | 50 x 1,00 | 0,21 | 25,4 | 480,0 | 953 |
| 62246110 | 61 x 1,00 | 0,21 | 27,1 | 585,6 | 1116 |

Continued on next page

Halogen-free Cables

SABIX® A 224 FRNC C1

control cable with numbered cores, improved fire performance and extended temperature range



marking example:

SAB BRÜCKSKES · D-VIERSEN · SABIX® A 224 FRNC C1 14 x 0,5 mm² CE

| item no. | no. of cores x cross section n x mm ² | largest single wire ø mm | outer-ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|------------------------|---------------------------|----------------------------|
| 62240215 | 2 x 1,50 | 0,26 | 7,4 | 28,8 | 65 |
| 62240315 | 3 x 1,50 | 0,26 | 8,0 | 43,2 | 89 |
| 62240415 | 4 x 1,50 | 0,26 | 8,7 | 57,6 | 111 |
| 62240515 | 5 x 1,50 | 0,26 | 9,8 | 72,0 | 140 |
| 62240715 | 7 x 1,50 | 0,26 | 10,8 | 100,8 | 185 |
| 62240815 | 8 x 1,50 | 0,26 | 12,7 | 115,2 | 226 |
| 62240915 | 9 x 1,50 | 0,26 | 13,7 | 129,6 | 258 |
| 62241015 | 10 x 1,50 | 0,26 | 14,0 | 144,0 | 270 |
| 62241215 | 12 x 1,50 | 0,26 | 14,4 | 172,8 | 309 |
| 62241415 | 14 x 1,50 | 0,26 | 15,3 | 201,6 | 358 |
| 62241615 | 16 x 1,50 | 0,26 | 16,4 | 230,4 | 412 |
| 62241815 | 18 x 1,50 | 0,26 | 17,2 | 259,2 | 456 |
| 62242115 | 21 x 1,50 | 0,26 | 19,3 | 302,4 | 547 |
| 62242515 | 25 x 1,50 | 0,26 | 21,0 | 360,0 | 643 |
| 62243015 | 30 x 1,50 | 0,26 | 21,7 | 432,0 | 743 |
| 62243415 | 34 x 1,50 | 0,26 | 23,8 | 489,6 | 859 |
| 62244015 | 40 x 1,50 | 0,26 | 25,7 | 576,0 | 1004 |
| 62244215 | 42 x 1,50 | 0,26 | 25,7 | 604,8 | 1041 |
| 62245015 | 50 x 1,50 | 0,26 | 28,3 | 720,0 | 1239 |
| 62246115 | 61 x 1,50 | 0,26 | 30,2 | 878,4 | 1480 |
| 62240225 | 2 x 2,50 | 0,26 | 8,8 | 48,0 | 96 |
| 62240325 | 3 x 2,50 | 0,26 | 9,5 | 72,0 | 132 |
| 62240425 | 4 x 2,50 | 0,26 | 10,6 | 96,0 | 170 |
| 62240525 | 5 x 2,50 | 0,26 | 11,6 | 120,0 | 208 |
| 62240725 | 7 x 2,50 | 0,26 | 12,8 | 168,0 | 275 |
| 62240825 | 8 x 2,50 | 0,26 | 15,2 | 192,0 | 340 |
| 62240925 | 9 x 2,50 | 0,26 | 16,5 | 216,0 | 388 |
| 62241025 | 10 x 2,50 | 0,26 | 16,8 | 240,0 | 407 |

| item no. | no. of cores x cross section n x mm ² | largest single wire ø mm | outer-ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|------------------------|---------------------------|----------------------------|
| 62241225 | 12 x 2,50 | 0,26 | 17,3 | 288,0 | 469 |
| 62241425 | 14 x 2,50 | 0,26 | 18,4 | 336,0 | 543 |
| 62241625 | 16 x 2,50 | 0,26 | 19,6 | 384,0 | 622 |
| 62241825 | 18 x 2,50 | 0,26 | 20,8 | 432,0 | 700 |
| 62242125 | 21 x 2,50 | 0,26 | 23,0 | 504,0 | 824 |
| 62242525 | 25 x 2,50 | 0,26 | 25,3 | 600,0 | 971 |
| 62240340 | 3 x 4,00 | 0,31 | 11,0 | 115,2 | 187 |
| 62240440 | 4 x 4,00 | 0,31 | 12,2 | 153,6 | 243 |
| 62240540 | 5 x 4,00 | 0,31 | 13,6 | 192,0 | 304 |
| 62240740 | 7 x 4,00 | 0,31 | 15,0 | 268,8 | 403 |
| 62240360 | 3 x 6,00 | 0,31 | 12,7 | 172,8 | 263 |
| 62240460 | 4 x 6,00 | 0,31 | 14,1 | 230,4 | 341 |
| 62240560 | 5 x 6,00 | 0,31 | 15,7 | 288,0 | 426 |
| 62240760 | 7 x 6,00 | 0,31 | 17,3 | 403,2 | 568 |
| 62240461 | 4 x 10,0 | 0,41 | 18,0 | 384,0 | 566 |
| 62240561 | 5 x 10,0 | 0,41 | 25,1 | 480,0 | 984 |
| 62240761 | 7 x 10,0 | 0,41 | 25,1 | 672,0 | 1121 |
| 62240462 | 4 x 16,0 | 0,41 | 25,2 | 614,4 | 1026 |
| 62240562 | 5 x 16,0 | 0,41 | 25,3 | 768,0 | 1087 |
| 62240762 | 7 x 16,0 | 0,41 | 27,1 | 1075,2 | 1403 |
| 62240463 | 4 x 25,0 | 0,41 | 24,4 | 960,0 | 1273 |
| 62240563 | 5 x 25,0 | 0,41 | 27,2 | 1200,0 | 1598 |
| 62240763 | 7 x 25,0 | 0,41 | 30,2 | 1680,0 | 2175 |
| 62240464 | 4 x 35,0 | 0,41 | 27,8 | 1344,0 | 1750 |
| 62240564 | 5 x 35,0 | 0,41 | 31,2 | 1680,0 | 2153 |
| 62240764 | 7 x 35,0 | 0,41 | 34,5 | 2352,0 | 2982 |
| 62240465 | 4 x 50,0 | 0,41 | 34,6 | 1920,0 | 2465 |

Other dimensions and colours are possible on request.